## **CLAIMS**

We claim:

1. A method of creating an anastomosis, comprising:

advancing a leading portion of a fitting into an opening in a host vessel wall;
advancing a rear portion of a fitting in a deflected position into said opening,
said deflected position occurring by torsional displacement of said rear portion about
at least two sections of said fitting; and

forming a connection between said host vessel and a graft upon return of said distal portion from its deflected position to a position contacting a wall of said host vessel.

- 2. The method of claim 1 further comprising forming the opening at a location along the host vessel wall prior to advancing the leading portion of the fitting.
- 3. The method of claim 2 wherein forming the opening comprises forming a circular or oval opening through the host vessel wall.
- 4. The method of claim 1 wherein the leading portion dilates the opening while being advanced.
- 5. The method of claim 1 wherein prior to advancing the rear portion, positioning the rear portion into the deflected position by rotating the rear portion about the at least two sections.

- 6. The method of claim 5 wherein rotating the rear portion configures the fitting into a profile adapted for introduction into the opening.
- 7. The method of claim 1 further comprising releasing the rear portion within a lumen defined within the host vessel prior to forming the connection.
- 8. The method of claim 1 wherein forming the connection between the host vessel and the graft defines an angle ranging from 20° to 70° between the host vessel and the graft.
- 9. The method of claim 1 wherein the leading portion and the rear portion are positioned in line with the host vessel when contacting the wall of the host vessel.
- 10. The method of claim 1 wherein forming the connection between the host vessel and the graft further comprises positioning a collar over a portion of the graft such that the portion of graft is urged against the fitting.
  - 11. The method of claim 10 wherein the collar is resiliently biased.
- 12. The method of claim 10 further comprising locking the collar against the fitting via a plurality of interlocking member in corresponding engagement with the fitting.
- 13. The method of claim 10 wherein positioning the collar further comprises compressing a second portion of the graft against the host vessel.

- 14. The method of claim 1 wherein prior to advancing the leading portion of the fitting, configuring the graft such that a portion of graft material overlaps the host vessel upon forming the connection between the host vessel and the graft.
- 15. The method of claim 1 further comprising inspecting the connection to detect for leakage.
  - 16. The method of claim 1 further comprising adjusting the fitting or graft.
- 17. The method of claim 1 further comprising additionally securing the connection between the host vessel and the graft.
- 18. The method of claim 17 wherein additionally securing the connection comprises a method selected from the group consisting of packing, applying adhesive, and suturing.